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- (71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]**; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

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(72) Inventors; and

(75) Inventors/Applicants (for US only): **JOHNSON, Mark, T. [GB/NL]**; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **ZHOU, Guofu [NL/NL]**; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(74) Agent: **TOL, Arie, J., W.**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

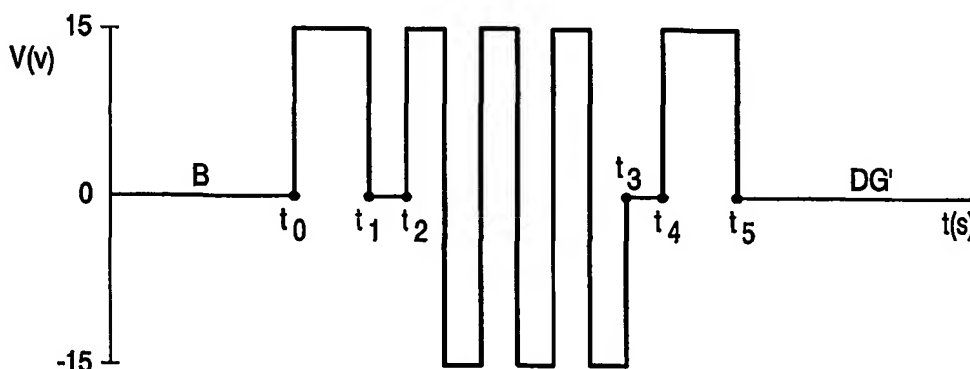
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(54) Title: **GRAYSCALE GENERATION METHOD FOR ELECTROPHORETIC DISPLAY PANEL**



(57) Abstract: The electrophoretic display panel (1) for displaying a picture has a plurality of picture elements (2) and drive means (100). Each picture element (2) has two electrodes (3,4) for receiving a potential difference and charged particles (6) being able to occupy positions between the electrodes (3,4). The drive means (100) are able to supply a sequence of potential difference pulses to each picture element (2). Each sequence has a response-changing pulse for changing the ability of the particles (6) to respond to the potential difference without substantially changing the position of the particles (6), and a picture pulse for bringing the particles (6) into one of the positions for displaying the picture. For the display panel (1) to be able to display a picture of relatively high picture quality, even when the frame period is relatively large and the number of potential difference values for the picture pulse is relatively low, with respect to at least a number of the picture elements (2), the drive means (100) are further able to supply for each picture element (2) out of said number a part of the picture pulse before an end of the response-changing pulse.

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